interphone

cellularline

F4MC

USER MANUAL

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1 – Introduction

1.1 Hello!

Thank you for choosing our product. InterphoneF4MC is a Bluetooth® helmet headset for wireless entertainment and communication system among multiple bikers.
InterphoneF4MC can be installed on most helmets by attachment / detachment quick bracket.
The ergonomic shape of the unit is user-friendly also with motorbike gloves.
InterphoneF4MC is waterproof tested, up to IP67 protection degree (using the sealant provided).

1.2 Main features

1. **1.Intercom:** InterphoneF4MC allows Bluetooth Intercom communication between two riders up to 0,8 km (in the best environmental condition). It also allows Intercom Communication between four riders, bike to bike.
2. **Phone**: InterphoneF4MC has a Multipoint Bluetooth® connection for dual mobile phone or other Bluetooth devices (mobile phone/GPS navigation).
3. **FM Radio**: InterphoneF4MC includes a built-in FM-RDS (88-108MHz)receiver with a 8 preset memories.
4. **Music**: InterphoneF4MC is able to play music from a Bluetooth® device, supporting A2DP and AVRCP profiles (smartphones, MP3 player etc.).
5. **AUX**: InterphoneF4MC is provided with AUX line-in connector with a 2,5 mm stereo jack for non-Bluetooth® devices.
6. **Vocal guide**: InterphoneF4MC is equipped with a Text To Speech vocal guidance system, that helps the user to operate each product feature and menu.

1.3 Box contents

Pic.1

A. Bluetooth® unit
B. Microphone for full face helmet
C. Microphone for Jet/flip up helmet
D. Left speaker
E. Right speaker
F. Velcro set for speaker/mic + spare POP wind protection
G. Fixing plates + screwdriver
H. USB charging cable
I. USB data cable
J. Quick guide

Please refer to quick guide for installing F4MC on your helmet, provided in the box (can be also downloaded from Interphone website), otherwise you can also check video TUTORIAL on website www.interphone.cellularline.com.

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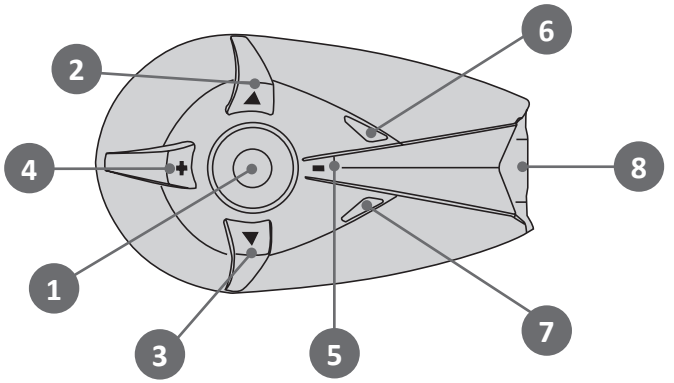
2 – Getting Started



Pic.2

(1)	**MFB button**
(2)	**UP button**
(3)	**DOWN button**
(4)	**Volume + button**
(5)	**Volume - button**
(6)	**Blue led**
(7)	**Red/Green/Orange led**
(8)	**Connector**

2.1 Main Commands (Pic.2)

Power on	Press MFB button(1), led(6) flashes.
Power off	Press and hold MFB button(1) until you hear “Interphone powering down” message. Led(7) flashes red for few seconds.
Volume	Press buttons (4) to increase or (5) to decrease.
Mute	Press button (5) for about 2 seconds.
Menu	Press buttons (2) or (3) to scroll the menu items. Press MFB button (1) to select an item. Once selected a menu item, you come back to “INTERCOM” menu (Standby)with a short press of MFB button.

2.2 Status led (Pic.2)

Standby	BLUE led (6) flashes every 3 seconds.
Intercom active	BLUE led (6) is solid .
Interphone connected with mobile/GPS	BLUE led (6) flashes twice every 3 seconds.
Pairing mode	BLUE (6) and RED (7) led flash alternately.
Charging	ORANGE led (7) is solid. When charging is completed led (7) becomes solid GREEN.
Battery low	Led (7) is solid RED.

2.3 First Switch on (only twin pack)

Press MFB (1) button to turn on both units. The units are already factory-paired, wait for your language and press MFB (1) button to confirm.
Later two units will be in “INTERCOM” Standby status (Chapter 4).

2.4 First Switch on (only single pack)

Press MFB (1) button to turn on unit, wait for your language and press MFB (1) button to confirm.
Unit will be in “INTERCOM” Standby status (Chapter 4).
The unit will enter in “PAIRING MODE”, choose one of these:
- Short press of MFB (1) button – pairing with mobile phone or GPS navigator.
- Short press of Up (2) button – intercom pairing with INTERPHONE device.
- Short press of DOWN (3) button – intercom pairing with other brand device(NON INTERPHONE) ANYCOM mode.
- Long press of MFB (1) until the beep – to cancel “PAIRING MODE”. Unit will enter in “INTERCOM” Standby status(Chapter 4) and Blue led (6) will flash every 3 seconds.

2.5 Language selection (after first switch on):

F4MC in Standby mode (Blue led(6) flashing), press UP button(2) and then MFB button(1) to enter in “SETUP” menu. Press again UP button(2), “LANGUAGE SELECTION” start, wait for your language and then press MFB button (1)to confirm it.

If you select a wrong language, follow the steps below:

1. **Turn off the F4MC. (Press the MFB for 5s, or until the led lights RED).**
2. **Turn on the F4MC (Press the MFB for 2s).**
3. **Short press UP button (2).**
4. **Short press MFB button (1).**
5. **Short press UP button (2).**
6. **Press MFB when you hear your language.**

2.6 Audio priorities

F4MC determinates the audio source priority in the following way:

1. Mobile phone
2. Intercom
3. A2DP audio (Smartphone/Player MP3)
4. FM Radio
5. AUX line-in

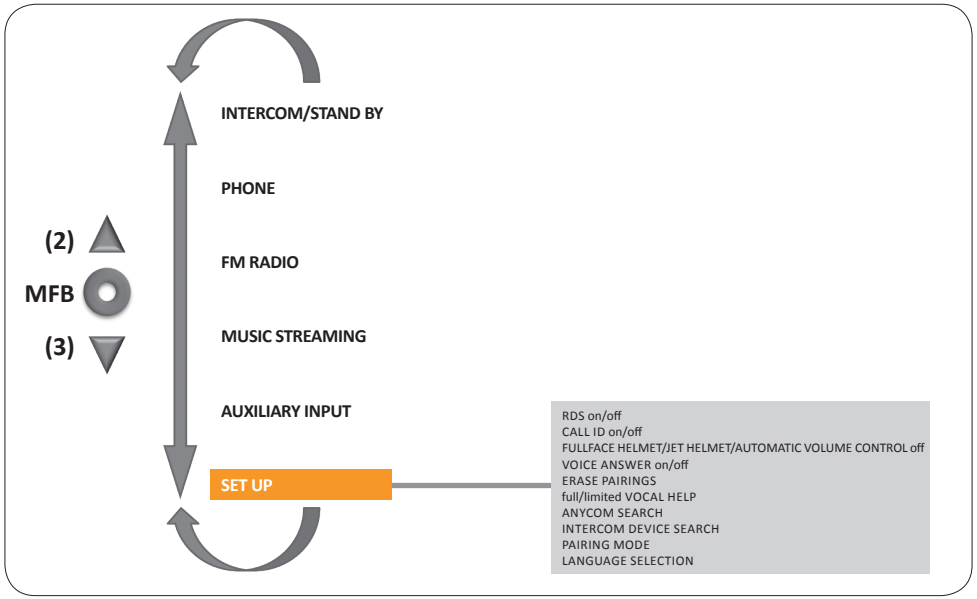
F4MC automatically manage priority when audio sources play simultaneously, using the sequence above.

Example:

- Incoming mobile call interrupt ongoing A2DP music.
- Incoming Intercom call does not interrupt an ongoing mobile phone call; the rider, who started the intercom call, will hear a “connection failed” message.

3 – Settings

You can easily customize your F4MC . From Standby mode (Blue led (6) flashing), press UP button (2) and after MFB button (1) to active “SETUP” menu, entering in the main functions Pic.3.



Pic.3

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3.1 System settings

Once in “SETUP” menu, scroll items by UP (2) and DOWN (3) button until you find the one you want.
Press MFB (1) button until the beep to change setting or enable a function.

- **RDS**: allows the F4MC receiver to re-tune to a different frequency, providing the same station when the first signal becomes too weak. It is possible **enable/disable** the function.
- **Call ID**: when you receive a phone call, F4MC pronounce the name of the caller. It is possible **enable/disable** the function.
- **AUTOMATIC VOLUME**: **(FULLFACE HELMET/JET HELMET/OFF)**: F4MC can adjust volume automatically according as helmet you are using. The user can completely disable the function and adjust the volume manually. **AUTOMATIC VOLUME CONTROL OFF** allows to gain maximum.
- **VOICE ANSWER**: user can answer to a phone call just speaking a voice command. It is possible **enable/disable** the function.
- **ERASE PAIRINGS**: this function allows to cancel all devices paired before from F4MC memory. At the first restart F4MC will enter in pairing mode automatically as explained in Chapter 2.4.
- **VOCAL HELPS**: F4MC has two different levels for vocal helps: **FULL** for unskilled user and **LIMITED** for skilled user. It is possible to choose one of these two options.
- **ANYCOM SEARCH**: active search for other brand’s Bluetooth® headsets.
- **INTERCOM SEARCH**: active search for INTERPHONE branded devices.
- **PAIRING MODE**: active search for Bluetooth® devices such as mobile phone, GPS navigator, MP3 player etc.
- **LANGUAGE SELECTION**: active the selection of languages. Wait when you hear your language and then press MFB (1) button to confirm it.

4 – Intercom

F4MC allows intercom communication between bike to bike (INTERCOM) and also up to 4 other riders (INTERCOM TOGGLING) one to one.

4.1 Pairing

Before starting the communication between headsets, is necessary to pair together the units. This process has to be done only one time. F4MC will automatically recognize devices previously paired.
F4MC is compatible with all range of INTERPHONE device (also previous series) and by ANYCOM function is also compatible with other brands of helmet Bluetooth headsets.

Each F4MC can be paired to maximum four other units.

4.1.1 Pairing with an INTERPHONE MC unit

With both units in Standby mode (led BLUE (6) flashing):

1. On your F4MC unit press once the UP(2) button and then press once the MFB (1) button to activate the "SETUP" menu.
2. Press three times the UP(2) button to select "INTERCOM DEVICE SEARCH" feature, press the MFB (1) until the beep to start the search.
3. On the other unit (F4MC or F4MC or F3MC) press UP(2) button and then press once MFB (1) button to activate the "SETUP" menu.
4. Press UP(2) button two times, the second MC unit will go in "PAIRING MODE".
5. After few seconds the units will be paired, intercom connection will be automatically started (led BLUE (6) on). To stop the intercom communication press once MFB (1) button on one of the two units.

4.1.2 Pairing with an INTERPHONE unit (not MC).

With your unit in Standby mode (led BLUE (6) flashing):

1. press once the UP(2) button and then press once the MFB (1) button to activate the "SETUP" menu.
2. Press three times the UP(2) button to select "INTERCOM DEVICE SEARCH" feature, press the MFB (1) until the beep to start the search.
3. On the second Interphone unit (previous series not "MC"), with unit off, push and keep pressed the MFB button until the alternate flashing red/blue of unit led.
4. After few seconds the units will be paired, intercom connection will be automatically started (led BLUE (6) on). To stop the intercom communication press once MFB (1) button on one of the two units.

4.1.3 Pairing with units not Interphone (other brands) - ANYCOM.

With your unit in Standby mode (led BLUE (6) flashing):

1. press once the UP(2) button and then press once the MFB (1) button to activate the "SETUP" menu.
2. Press four times the UP(2) button to select "ANYCOM SEARCH" feature, press the MFB (1) until the beep to start the search.
3. On the second unit **NOT** Interphone start the "phone search/phone pairing mode", see user manual of NOT Interphone unit for more details.
4. After few seconds the units will be paired, intercom connection will be automatically started (led BLUE (6) on). To stop the intercom communication press once MFB (1) button on your F4MC unit.

4.1.4 Pairing up to four other units (TOGGLING)

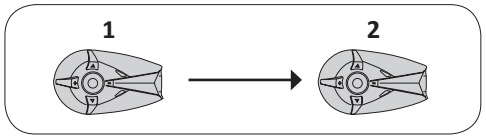
Follow chapters before (4.11/4.1.2/4.1.3) to pair your F4MC with other four units.
Every time one unit is paired with your F4MC, the last paired unit switchs in the next Intercom channel as shown in the following chart:

	Single unit pairing	Twin units pairing	Three units pairing	Four units pairing	Further units pairing
Intercom A	1° paired unit	2° paired unit	3° paired unit	4° paired unit	Further paired unit
Intercom B	-	1° paired unit	2° paired unit	3° paired unit	4° paired unit
Intercom C	-	-	1° paired unit	2° paired unit	3° paired unit
Intercom D	-	-	-	1° paired unit	2° paired unit
			Pairing erased →		1° paired unit

4.2 Intercom communication between two units (from “INTERCOM” menu)

To start an intercom communication between your F4MC (unit nr1 Pic. 4) and another one (unit nr2 Pic. 4) follow these steps:

1. Pair units 1 and 2 (chapters 4.1.1/4.1.2/4.1.3), this is necessary only once.
2. With your F4MC unit in Standby mode (led BLUE (6) flashing), press once the MFB (1) button, connection will be started. The vocal guidance will prompt a message for intercom activation, BLUE (6) led of F4MC units will lights up. To stop the intercom communication press once MFB (1) button on your F4MC, both units will go in Standby mode.

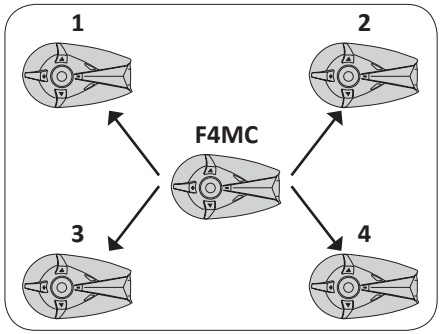


Pic.4

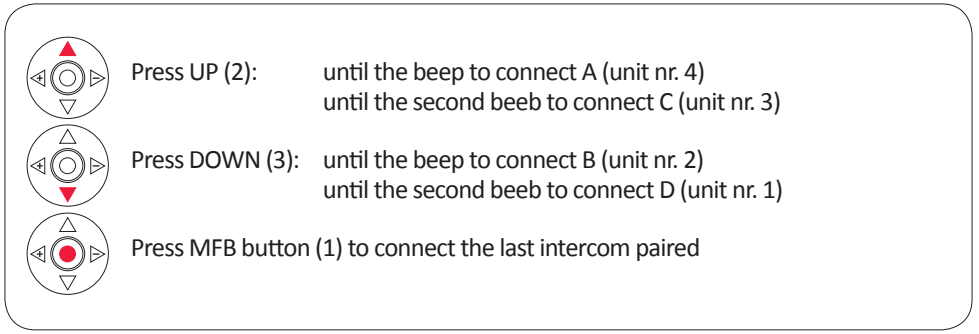
4.3 Intercom communication between three units (from “INTERCOM” menu)

To start an intercom communication between your F4MC (F4M unit Pic. 5) and one of other four units (units 1,2,3,4 Pic. 5) follow these steps:

1. Pair units as described in Chapters 4.1.4
2. Follow the chart shown in Pic.6 to start intercom communication.
3. When connection has been started the vocal guidance will prompt a message for intercom activation, BLUE (6) led of F4MC units will lights up.
4. To stop the intercom communication press MFB (1) button on your F4MC (Pic.5). All units will go in Standby mode.



Pic.5


Press UP (2): until the beep to connect A (unit nr. 4)
until the second beeb to connect C (unit nr. 3)
Press DOWN (3): until the beep to connect B (unit nr. 2)
until the second beeb to connect D (unit nr. 1)
Press MFB button (1) to connect the last intercom paired

Pic.6

4.4 Intercom auto-reconnection

- When your F4MC unit is over the communication range, connection hangs. F4MC will try to recover the connection for 30 minutes. Within this time interval, if F4MC unit will come again into communication range, connection will be automatically resumed.
- During reconnection attempts, a double-beep will be generated, as a reminder that unit is attempting to reconnect.
- After 30 minutes, if reconnection fails, F4MC will go in Standby mode, stopping reconnection attempt.
- If you need to stop reconnection attempt, press MFB (1) button on your F4MC unit.

4.5 Intercom tips

Once activated the intercom channel, communication remains active until it is manually stopped by the rider. It is suggested to suspend the intercom conversation, if not necessary, to optimize battery life.

The best behavior of Intercom TOGGLING is guarantee only using Interphone branded intercom units.

“INTERCOM” audio quality is strongly influenced by:

- proper installation of speakers and microphone inside the helmet. Always check very carefully that speakers are placed exactly on your ears, and microphone is placed as close as possible to your mouth. Any error on these positions will cause an important decrease of performances.
- environment (electromagnetic interference, natural obstacles, etc.).
- aerodynamic protection of your motorcycle.
- type of helmet used.

5 – Phone/GPS

F4MC can be used together with Bluetooth® devices, as mobile phones, GPS devices, MP3 players.

To each F4MC unit is possible to connect, in the same time, max two Bluetooth® devices.

5.1 Pairing

Before using the F4MC unit with these devices, is necessary to run the pairing procedure. This is necessary only once, after F4MC will automatically recognize and connect devices already paired.

Pairing procedure

1. Start Bluetooth® service on mobile phone / GPS / MP3 player (check the device's user guide for more details).
2. With F4MC in Standby mode (led BLUE (6) flashing), press UP (2) button and then press MFB (1) button to activate "SETUP" menu. Press UP (2) button twice, F4MC will enter in "PAIRING MODE" .
3. Start searching for new Bluetooth® devices on mobile phone / GPS / MP3 player.
4. After few moments the device in searching mode will list "Interphone F4MC". Select it.
5. If prompted for a PIN number, type "0000" (four times the zero number).
6. F4MC vocal guide will confirm the successful pairing with the message "PAIRING SUCCESSFUL, CONNECTED TO PHONE". F4MC will go in Standby mode, the led BLUE (6) will flash twice, every three seconds.
7. If the Bluetooth® device ask authorization to phonebook access, confirm.

If you want to pair a second device, repeat the pairing procedure from step 1).

5.2 Incoming phone calls

As indicated in chapter 2.6, phone calls have the highest priority and will override each of other F4MC feature. During an incoming phone call these are the possible commands:

Answer to a phone call		Push MFB (1) or pronounce loudly any word (in case that voice answer feature is enabled Chapter 3.1).
End a phone call		Push once the MFB (1) button.
Reject a phone call		Push DOWN (3) button to reject. Otherwise wait for 15 seconds, the call will be automatically rejected.
Ringtone muting		Push UP (2) button to mute the ringtone.

5.3 Phone

All features related to phone can be activated entering into "PHONE" menu of F4MC. With F4MC in Standby mode (led BLUE (6) flashing), push DOWN (3) button one time and then press the MFB (1) button to activate the "PHONE" menu.

Redialling last number		Press UP(2) button to redial last number.
Voice dial		Press DOWN(3) button to activate the voice dial feature of the phone. Follow phone's prompts to complete the task.

5.4 Phone tips

If two different phones are connected at the same time to a single F4MC unit, the features **“Redialling last number”** e **“Voice dial”** can be used only with the FIRST connected phone. The second connected phone can only receive calls, or managed by hand commands directly on the phone.

Depending on the phone model it could be necessary to have an active internet connection to use the **“Voice dial”** feature.

The **“Voice dial”** feature could not be supported by your phone. Check the phone user manual for more details.

From “SETUP” menu is possible to change two settings for the phone usage (Caller ID ON/OFF e Voice answer ON/OFF), see chapter 3.1 for more details.

From “PHONE” menu, it is possible to go in Standby mode (led BLUE (6) flashing-menu “INTERCOM”), pressing once the MFB (1) button.

5.5 GPS

After completing the pairing between F4MC and GPS device (see chapter 5.1) is possible to listen to vocal instructions from the GPS for the routing. The GPS will stop any intercom communication each time that will send a vocal instruction.

Check that the GPS device is compatible with Bluetooth® headsets, “HFP” Bluetooth® profile has to be supported by GPS. Check GPS user guide for more details. F4MC uses the “HFP” Bluetooth® profile to manage the connection with GPS devices.

Navigation apps, installed on smartphone devices, use the A2DP Bluetooth® profile to send routing indications to headset. This profile doesn’t let to automatically stop the intercom communication when needed.

Car GPS navigator usually don’t support the HFP Bluetooth® profile. For this reason these devices can’t send vocal routing instructions to Bluetooth® headset. Check GPS user guide for more details.

6 – FM radio

F4MC includes an integrated FM RDS radio receiver with memory to store eight radio stations. To start the FM radio listening, with F4MC in Standby mode (led BLUE (6) flashing), push DOWN (3) button for two times and after press the MFB (1) button to activate the “FM RADIO” menu.

Frequency scan		Press UP (2) button to start frequency scan up (from 88 MHz to 108 MHz).
		Press DOWN (3) button to start frequency scan down (from 108 MHz to 88 MHz).
Memory scan		Press UP (2) button until the beep to select the next FM station memorized.
		Press DOWN (3) button until the beep to select the previous FM station memorized.
Store FM station		Press MFB (1) button until the beep, to save the FM station you are listening.
		Press UP (2) or DOWN (3) button to select the memory nr (from nr.1 to nr.8).
		Press once MFB (1) button to confirm the memory nr (from nr.1 to nr.8).

“RDS” allows these features:

- allows the F4MC receiver to re-tune to a different frequency, providing the same station when the first signal becomes too weak.
- when F4MC re-tunes to a different frequency, the vocal help (TTS) will speak the name and the frequency of the FM station.

When the signal strength is not enough weak to activate the re-tune to an alternative frequency, the listening quality could be decreased due to the low quality of signal. FM stations listening is strongly influenced by the environment (EMC noise, poor signal coverage, etc).

During the FM radio listening, it is possible to go in Standby mode (led BLUE (6) flashing-menu “INTERCOM”), pressing the MFB (1) button.

7 – Music streaming

With F4MC is possible to listen to music from an A2DP Bluetooth® device (smartphone, MP3 player, etc..). To play music from these devices is necessary to pair the F4MC unit with the music source device (Chapter 5.1).

7.1 Music play

With F4MC in Standby mode (led BLUE (6) flashing), push DOWN button for three times and then press the MFB (1) button to activate the “MUSIC STREAMING” menu.

Play/Pause		Push the MFB (1) button until the beep to play/pause the music.
Track select		Press UP (2) or DOWN (3) button to select the previous or the next track.

During the music listening, it is possible to go in Standby mode (led BLUE (6) flashing-menu “INTERCOM”), pressing the MFB (1) button. To resume the music listening it will be necessary to go again into “MUSIC” menu, as described at beginning of this chapter.

7.2 Song sharing

F4MC is equipped with the “SONG SHARING” feature, to share the music streaming among two Interphone MC units.

Start/Stop sharing		Press UP (2) button until the beep to start/stop the song sharing with Interphone “A” (unit nr.3 chapter 4.3 - Pic.5)
		Press DOWN (3) button until the beep to start/stop the song sharing with Interphone “B” (unit nr.2 chapter 4.3 - Pic.5)

During the sharing is possible to start an **intercom session,** as indicated in the following table.

On MC unit that is sharing the music		Press the MFB (1) button to activate the INTERCOM menu. Press again the MFB (1) button to start an intercom call.
On MC unit that is receiving the music		Press the MFB (1) button to start an intercom call.

7.3 Important informations for “MUSIC STREAMING” feature

- Only Bluetooth® devices supporting A2DP profile can stream stereo music to F4MC.
- Only Bluetooth® devices supporting AVRCP can be managed by F4MC.
- The song sharing feature couldn’t be used to share other audio sources , like GPS, Phone calls or intercom calls.
- The song sharing feature is optimized to work with Interphone devices of MC range. Using this feature, with other device, could bring a decrease of listening quality on the headset unit, that will receive the music shared.
- The listening audio quality is strictly connected to the quality of music source (bitrate and codec type of audio file, quality of Bluetooth® player, etc.).

8 – Auxiliary input

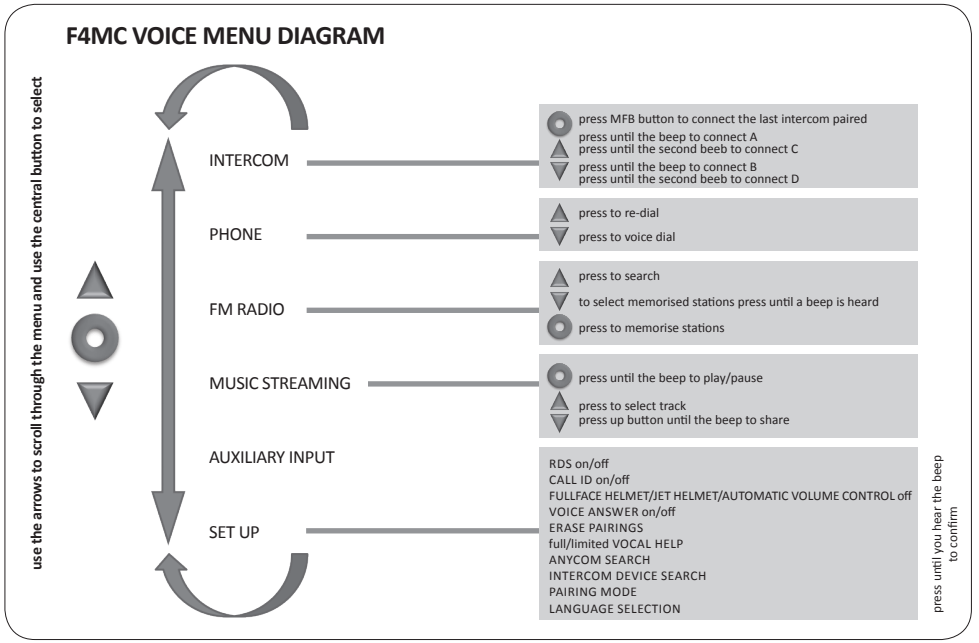
F4MC can be connected to a non-Bluetooth® player, thanks to auxiliary input jack.

8.1 Music listening

With F4MC in Standby mode (led BLUE (6) flashing), push UP (2) button for two times and after press the MFB (1) button to activate the “AUXILIARY INPUT” menu.
Connect the jack cable provided to F4MC and to music player.
Start the music player.
During the music listening is possible to go in Standby mode (led BLUE (6) flashing, menu “INTERCOM”), pressing the MFB (1) button.

Appendix 1

Menu chart.


F4MC VOICE MENU DIAGRAM
use the arrows to scroll through the menu and use the central button to select
INTERCOM
press MFB button to connect the last intercom paired
press until the beep to connect A
press until the second beeb to connect C
press until the beep to connect B
press until the second beeb to connect D
PHONE
press to re-dial
press to voice dial
FM RADIO
press to search
to select memorised stations press until a beep is heard
press to memorise stations
MUSIC STREAMING
press until the beep to play/pause
press to select track
press up button until the beep to share
AUXILIARY INPUT
SET UP
RDS on/off
CALL ID on/off
FULLFACE HELMET/JET HELMET/AUTOMATIC VOLUME CONTROL off
VOICE ANSWER on/off
ERASE PAIRINGS
full/limited VOCAL HELP
ANYCOM SEARCH
INTERCOM DEVICE SEARCH
PAIRING MODE
LANGUAGE SELECTION
press until you hear the beep
to confirm

Technical Specifications			
Bluetooth® compliance:	Bluetooth® V.3.0 - Class II		
Supported Bluetooth® profiles:	HFP	A2DP	AVRCP
Dimensions mm:	60x80x30		
Weight:	44g		
Range:	Up to 10 metres		
Talk time:	12h		
Stand-by time:	700h		
Charging time:	3h		
Battery type:	Rechargeable Li-ion		

EQUIPMENT DISPOSAL INSTRUCTIONS FOR DOMESTIC USERS
(Applicable within the European Union and those countries with separate collection systems)
The marking shown on the product or its literature indicates that at the end of its life the product should not be disposed together with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Domestic users are invited to contact the sales point where the product was purchased or the local office with information regarding recycling of this type of product. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal purposes.
This product has an embedded, non-replaceable battery, do not attempt to open the product or remove the battery as this may cause injury and damage the product. When disposing of the product, please contact your local waste disposal service in order to remove the battery. The battery contained within the device and been designed to be used throughout the life cycle of the product.

CE 0560

This product is CE marked in accordance with the provisions of the R&TTE Directive (1999/5/EC) and the RoHS Directive (2011/65/EU). With this CE mark Cellular Italy S.p.A. declares that this product complies with the essential requirements and other relevant provisions of the 1999/5/EC and 2011/65/EU Directives. The user is forbidden to make changes or modifications of any kind to this device. Changes or modifications not expressly approved by Cellular Italy S.p.A. will void the user's authorisation to operate the device. Bluetooth® is a trademark owned by Bluetooth SIG, Inc.
For more information please visit the website: www.interphone.cellularline.com